

## Test – EMT & EMT-A – 12-lead Acquisition

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**MULTIPLE CHOICE: Choose the one alternative that best completes the statement or answers the question.**

- 1) An Electro-Cardio Gram is used to show which of the following?
  - A) Activity of the heart
  - B) How well the heart is pumping blood
  - C) Shows the beats of the heart
  - D) Electrical activity of the heart
- 2) An ECG can be used to help determine all of the following except
  - A) A myocardial infarct
  - B) Heart arrhythmias
  - C) Effectiveness of muscle contractions
  - D) Electrical rhythm of muscle contractions
- 3) An ECG is indicated under which of the following circumstances?
  - A) Difficulty Breathing
  - B) Stomach Pain
  - C) Trauma
  - D) Head ache
- 4) Contraindications include
  - A) History of Angina
  - B) Pregnancy
  - C) Unconsciousness
  - D) There are no Contraindications
- 5) In placement of the electrodes for a 12-lead, there are \_\_\_\_ limb leads and \_\_\_\_ chest leads.
  - A) 6, 4
  - B) 4, 6
  - C) 4, 8
  - D) 6, 6
- 6) When placing chest leads, V4-V6 should all be placed in which intercostal space(s)?
  - A) 4<sup>th</sup> intercostal space for V4 and in line with V4 for V5 and V6
  - B) 5<sup>th</sup> intercostal space for V4 and in line with V4 for V5 and V6
  - C) 6<sup>th</sup> intercostal space for V4, V5, and V6
  - D) 6<sup>th</sup> intercostal space for V4, 7<sup>th</sup> intercostals space for V6, and in between for V5

- 7) Which of the following is a proper sequence for acquiring a 12-lead?
- A) Place electrodes, Turn monitor on, Input patient information, Obtain 12-lead
  - B) Turn monitor on, Obtain 12-lead, Transmit 12-lead, Print 1 strip
  - C) Turn monitor on, Input Information that it asks for, Place electrodes, Transmit 12-lead
  - D) Turn monitor on, Push 12-lead button, Print 2 strips, Transmit 12-lead
- 8) Which of the following is the most appropriate time to obtain a 12-lead?
- A) In the back of the ambulance while enroute to the hospital
  - B) On scene with everyone around
  - C) Before leaving, wherever it can be done without jeopardizing privacy
  - D) In the back of the ambulance, about 10 minutes from the hospital
- 9) You have a patient attached to the monitor and you are attempting to obtain a 12-lead, but leads V1 and V3 are not showing on the monitor. Which of the following would be the first thing to do?
- A) Check electrodes
  - B) Check plug into monitor
  - C) Redo 12-lead
  - D) Ignore it
- 10) All of the following are common complications except?
- A) Patient movement
  - B) Loud noise
  - C) Bumpy ambulance
  - D) Low battery
- 11) Which of the following is a purpose of transmitting the 12-lead to the ER:
- A) Patient can get to advanced care more quickly
  - B) Physician can compare previous 12-leads to your current 12-lead
  - C) Physician can see changes that may have occurred enroute
  - D) All the above
- 12) To transmit a 12-lead, which of the following must be established?
- A) A receiving device at the hospital and an abnormal ECG
  - B) A transmitting device with the monitor and a receiving process at the hospital
  - C) A transmitting device with the monitor and an abnormal ECG
  - D) An abnormal ECG and permission from the ER to transmit to them

13) When documenting a 12-lead you should include all the following except?

- A) A copy of the 12-lead
- B) Time the 12-lead was obtained
- C) Interpretation of the 12-lead
- D) Information about the 12-lead

14) You just finished a call with a 68 year of female that had stabbing chest pain. You were not able to get a 12-lead due to equipment malfunction. Which of the following should you do?

- A) Document the equipment malfunction as a reason for not obtaining a 12-lead
- B) Report the equipment malfunction and not worry about the 12-lead in your report
- C) Document the equipment malfunction and attach the hospital's 12-lead
- D) Document the equipment malfunction and put the hospital's interpretation of their 12-lead

## **Answer Sheet – EMT & EMT-A – 12-lead Acquisition**

- 1) D
- 2) C
- 3) A
- 4) D
- 5) B
- 6) B
- 7) A
- 8) C
- 9) A
- 10) D
- 11) D
- 12) B
- 13) C
- 14) A